From the INTERNATIONAL SEARCHING AUTHORITY	PCT	
To: BRISTOL-MYERS SQUIBB COMPANY TO THE PROPERTY OF THE PROPER	NOTIFICATION OF TRANSMITTAL OF	
Attn. Klein, Christophe を はいい データー かんしゅう こうしゅう こうしゅう こうしゅう こうしゅう こうしゅう はんしゅう はんしゅう はんしゅう はんしゅう はんしゅう しゅうしゅう しゅう	OR THE DECLARATION	
Post office Box 4000, Lawrenceville -Provinceline Road, Princeton 384 U3 1	30 3	
New Jersev08543-4000 July 2017	US-DOUYU-NP- 2/27/03	
UNITED STATES OF AMERICA CKeted Item Due Date 105	US-CIPI - DOUTON 2/21/03	
Attorney (50 A)	Date of mailing	
40001 are 4	(day/month/year) 30/12/2002	
Applicant's or agent's file reference	EOD EUDTHED ACTION	
D0040PC-3053-4119PC International application No.	FOR FURTHER ACTION See paragraphs 1 and 4 below	
PCT/US 01/30614	International filing date (day/month/year) 26/09/2001	
Applicant		
BRISTOL-MYERS SQUIBB COMPANY		
1. X The applicant is hereby notified that the International Search Filing of amendments and statement under Article 19:	n Heport has been established and is transmitted herewith.	
The applicant is entitled, if he so wishes, to amend the clain	ns of the International Application (see Rule 46):	
When? The time limit for filling such amendments is normal International Search Report; however, for more de	ally 2 months from the date of transmittal of the tails, see the notes on the accompanying sheet.	
Where? Directly to the International Bureau of WIPO		
34, chemin des Colombettes 1211 Geneva 20, Switzerland Fascimile No.: (41-22) 740.14.35		
For more detailed instructions, see the notes on the acco	mpanying sheet.	
2. The applicant is hereby notified that no International Search	n Report will be established and that the declaration under	
Article 17(2)(a) to that effect is transmitted herewith.		
3. With regard to the protest against payment of (an) addition	nal fee(s) under Rule 40.2, the applicant is notified that:	
	n transmitted to the International Bureau together with the test and the decision thereon to the designated Offices.	
no decision has been made yet on the protest; the app	olicant will be notified as soon as a decision is made.	
4. Further action(s): The applicant is reminded of the following:		
Shortly after 18 months from the priority date, the international at If the applicant wishes to avoid or postpone publication, a notice priority claim, must reach the International Bureau as provided completion of the technical preparations for international publications.	of withdrawal of the international application, or of the in Rules 90 <i>bis.</i> 1 and 90 <i>bis.</i> 3, respectively, before the	
Within 19 months from the priority date, a demand for internation wishes to postpone the entry into the national phase until 30 mc		
Within 20 months from the priority date, the applicant must perform before all designated Offices which have not been elected in the priority date or could not be elected because they are not bound	e demand or in a later election within 19 months from the	
Name and mailing address of the International Searching Authority Authorized officer		

Heike Zoglauer

European Patent Office, P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016

INTERNATIONAL SEARCH REPORT

ational Application No PCT/US 01/30614

A. CLASSI	FICATION OF SUBJECT MATTER		,
IPC 7	C12N15/12 C07K14/705 C12N9 C12Q1/68 G01N33/53 A61P1		1K38/17
According to	o International Patent Classification (IPC) or to both national cla	assification and IPC	• .
	SEARCHED		
l	ocumentation searched (classification system followed by class	sification symbols)	· · · · · · · · · · · · · · · · · · ·
IPC 7	C07K		`
Documentat	ion searched other than minimum documentation to the extent	that such documents are included in the field	is searched
Doodmenta			
Electronic d	ata base consulted during the international search (name of d	ata base and, where practical, search terms u	ised)
EMBL,	SEQUENCE SEARCH, EPO-Internal, Wi	PI Data, BIOSIS	-
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of	he relevant passages	Relevant to claim No.
х	DATABASE EMBL 'Online!'		1,6,27
	retrieved from EBI		
٠	Database accession no. AV37512	23	
	XP002221261 abstract		
	abstract		
χ	DATABASE EMBL 'Online!		1,2,
	retrieved from EBI		6-10,20,
·	Database accession no. ACO2708	30	27
	XP002221262 abstract		
χ	 DATABASE EMBL 'Online!	•	1,6,27
^	retrieved from EBI		1,0,2,
	Database accession no. H33648 XP002221263		
	abstract		
			
		-/	
			·
X Furti	her documents are listed in the continuation of box C.	Patent family members are list	sted in annex.
° Special ca	stegories of cited documents:	*T* later document published after the	
	ent defining the general state of the art which is not lered to be of particular relevance	or priority date and not in conflict cited to understand the principle of	
'E' earlier	document but published on or after the international	invention *X* document of particular relevance; the state of the stat	he claimed invention
filing d	date ent which may throw doubts on priority claim(s) or	cannot be considered novel or ca involve an inventive step when the	
which	is cited to establish the publication date of another n or other special reason (as specified)	"Y" document of particular relevance; to cannot be considered to involve a	
O docume	ent referring to an oral disclosure, use, exhibition or means	document is combined with one of ments, such combination being of	r more other such docu-
P docume	ent published prior to the international filing date but han the priority date claimed	in the art. "&" document member of the same pa	
Date of the	actual completion of the international search	Date of mailing of the international	I search report
2	7 November 2002	30/12/2002	
Name and r	mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer	
	NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,	Strobel, A	

ITE ATIONAL SEARCH REPORT

C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
		<u> </u>
X	DATABASE EMBL 'Online!	11,12,28
	retrieved from EBI	
	Database accession no. Q9Y3K0	
	XP002221264	
	abstract	
	abstract	~
A	LITE CON C. ET AL. HODDHAN C. DOCTETAL COURLED	1-23.
4	WILSON S ET AL: "ORPHAN G-PROTEIN-COUPLED	
	RECEPTORS: THE NEXT GENERATION OF DRUG	25-34
	TARGETS?"	
	BRITISH JOURNAL OF PHARMACOLOGY,	
	BASINGSTOKE, HANTS, GB,	
	vol. 125, no. 7, December 1998 (1998-12),	
	pages 1387-1392, XP001010584	i i
	ISSN: 0007-1188	·
(page 1388, left-hand column, paragraph 2	
	-page 1391, right-hand column, paragraph	
	3; figure 1	
	j S, rigure i	
	OTADEL 3 M ST AL HOugh an O	1 1 22
١.	STADEL J M ET AL: "Orphan G	1-23,
• •	protein-coupled receptors: a neglected	25-34
	opportunity for pioneer drug discovery"	
	TRENDS IN PHARMACOLOGICAL SCIENCES,	
•	ELSEVIER TRENDS JOURNAL, CAMBRIDGE, GB,	
	vol. 18, no. 11,	
	1 November 1997 (1997-11-01), pages	
	430-437, XP004099345	•
•	ISSN: 0165-6147	
	abstract	
	page 431, left-hand column, paragraph 2	·
	-page 436, right-hand column, paragraph 2;	
	figures 1-3	•
		
	KOLAKOWSKI L F ET AL: "Discovery,	1-23,
•	cloning, and characterization of a novel	25-34
•	human G protein-coupled receptor genes."	
-	FASEB JOURNAL, vol. 11, no. 9, 1997, page A1340	
		, ·
	XP009001194	
	17th International Congress of	
	Biochemistry and Molecular Biology in	
	conjunction with the Annual Meeting of the	
•	American Society for Biochemistry and	
	Molecular Biology;San Francisco,	
	California, USA; August 24-29, 1997	
	ISSN: 0892-6638	
		
, X	DATABASE EMBL 'Online!	1-23,
, · ·	retrieved from EBI	25-34
	Database accession no. AK027360	
	XP002221265	
	abstract	
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Category °	tion) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication where appropriate, of the relevant passages	Relevant to claim No.	
Р,Х	DATABASE EMBL 'Online! retrieved from EBI Database accession no. AAB95679 XP002221266	1-23, 25-34	
	abstract 	11 10 00	
Р,Х	DATABASE EMBL 'Online! retrieved from EBI Database accession no. AAU00205 XP002221267	11,12,28	
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NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international polication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable. Article 41.

When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been its filed, see below.

How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

NOTES TO FORM PCT/ISA/220 (c ntinued)

The letter must indicate the differences between the claims as filed and the claims as amended, it must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled:
- (iii) the claim is new:
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- [Where originally there were 48 claims and after amendment of some claims there are 51]:
 "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]: "Claims 1 to 15 replaced by amended claims 1 to 11."
- [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
 "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international appplication is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

it may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.

ATENT COOPERATION TREAT

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference D0040PC-3053-4119PC	FOR FURTHER see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.		
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)	
PCT/US 01/30614	26/09/2001	27/09/2000	
Applicant			
BRISTOL-MYERS SQUIBB COMP	ANY		
according to Article 18. A copy is being tra	n prepared by this International Searching Aut ansmitted to the International Bureau.	nority and is transmitted to the applicant	
This International Search Report consists	of a total of 6 sheets.		
	a copy of each prior art document cited in this	report.	
Basis of the report			
•	international search was carried out on the ba	sis of the international application in the	
	less otherwise indicated under this item.		
the international search w Authority (Rule 23.1(b)).	vas carried out on the basis of a translation of t	he international application furnished to this	
		nternational application, the international search	
was carried out on the basis of the X contained in the internation	e sequence listing : onal application in written form.		
X filed together with the inte	ernational application in computer readable for	n	
furnished subsequently to	this Authority in written form.		
furnished subsequently to	this Authority in computer readble form.		
	bsequently furnished written sequence listing one stilled has been furnished.	loes not go beyond the disclosure in the	
the statement that the info	ormation recorded in computer readable form i	s identical to the written sequence listing has been	
<u> </u>	ind unsearchable (See Box I).		
3. Unity of invention is lac	king (see Box II).		
A Mark and an area area.			
4. With regard to the title,	the sitted by the continue		
the text is approved as su	shed by this Authority to read as follows:		
	PLED RECEPTOR, HGPRBMY6, EXP	PESSED HIGHLY IN SMALL	
INTESTINE	FUED RECEFIOR, AGERBAITO, EXP	RESSED RIGHT IN SPALE	
5. With regard to the abstract,			
X the text is approved as su			
	shed, according to Rule 38.2(b), by this Authori e date of mailing of this international search re		
6. The figure of th drawings to be pub	lished with the abstract is Figur No.		
as suggested by the appl	icant.	X None of the figures.	
because the applicant fai	led to suggest a figure.		
	characterizes the invention.		